



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

MUNITIONS DIRECTORATE SCIENTIST RECEIVES HONOR FOR LIFE'S WORK



The Minerals, Metals, and Materials Society (TMS) and the American Institute of Mining and Metallurgical Engineers recently honored Dr. Ronald W. Armstrong, a senior scientist in the Munitions Directorate, for his lifetime achievement by sponsoring a symposium in his honor at the TMS' 132nd Annual Meeting & Exhibition symposium held in San Diego, California.



Air Force Research Laboratory
Wright-Patterson AFB OH

Accomplishment

Dr. Armstrong is responsible for contributing technical leadership to the Air Force basic research mission of sustaining superiority in the science and engineering of energetic and related materials' properties and performances. He provides technical reviews, assesses programs, establishes research strategies for new study areas, and performs theoretical and experimental research, while interacting with other Air Force and government agencies.

Dr. Armstrong is also a Professor Emeritus in the Department of Mechanical Engineering at the University of Maryland College Park. His lifetime contributions to these and related fields were honored through this recognition.

Background

Dr. Armstrong's main efforts relate to energetic material technologies and promoting collaboration with foreign governments/organizations, other services and agencies, universities, and industry, as relevant to the directorate thrusts and long-range goals involving energetic materials and their uses. Dr. Armstrong's research topics include fundamental aspects of the mechanics, physics, and chemistry of high explosives; the mechanical/initiation behavior of nanoparticle systems; and the high-deformation rate/shock behavior of condensed matter.

At TMS symposia, attendees can join more than 4,000 science and engineering professionals, representing more than 70 different countries, who come together for the opportunity to add to their own store of knowledge by capitalizing on the expertise and experience of their colleagues. The symposia features more than 200 sessions with more than 1,900 individual presentations scheduled on topics in precious metal extraction, aluminum processing, high-temperature superconductors, or just about any other materials' field or metallurgical discipline.

Munitions
Awards and Recognition

Additional information

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-MN-06)